Smartavi DVS-400S

Smart-AVI DVS-400S DVI Video Splitter User Manual

Model: DVS-400S

1. INTRODUCTION

Thank you for purchasing the Smart-AVI DVS-400S DVI Video Splitter. This device is designed to distribute a single DVI video source to multiple DVI displays, maintaining high-quality video signals over extended distances. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage to the unit.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the unit and to ensure your safety:

- Do not expose this unit to water, moisture, or excessive humidity.
- Do not place the unit on an unstable surface.
- Use only the power adapter supplied with the unit.
- Do not block ventilation openings.
- Refer all servicing to qualified service personnel.
- Disconnect power before cleaning. Clean with a dry cloth only.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition:

- 1 x Smart-AVI DVS-400S DVI Video Splitter Unit
- 1 x Power Adapter
- 1 x User Manual (this document)

Note: DVI cables and display devices are not included and must be purchased separately.

4. PRODUCT OVERVIEW

The DVS-400S is a compact DVI video splitter designed for reliable performance. It features one DVI input and four DVI

outputs, allowing a single DVI source to be displayed on up to four DVI monitors simultaneously.

Figure 4.1: Top view of the DVS-400S unit. This image shows the compact design and the Smart-AVI branding on the top surface of the device.

Figure 4.2: Rear view of the DVS-400S unit. This image highlights the DVI input port, four DVI output ports, and the power input jack, along with a power indicator LED.
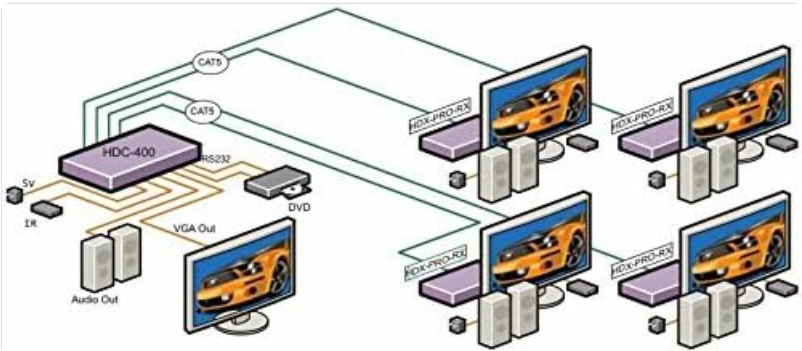
5. SETUP

Follow these steps to set up your DVS-400S DVI Video Splitter:

1. **Power Off Devices:** Ensure all DVI source devices (e.g., computer, DVD player) and DVI display devices (e.g., monitors, projectors) are powered off before making any connections.

2. **Connect Source:** Connect a DVI cable from your DVI source device to the *DVI IN* port on the DVS-400S unit.

3. **Connect Displays:** Connect DVI cables from the *DVI OUT* ports (1-4) on the DVS-400S unit to your DVI display devices.

4. **Connect Power:** Plug the supplied power adapter into the *DC 5V* power jack on the DVS-400S unit, then plug the adapter into a standard AC power outlet.

5. **Power On:** Power on the DVS-400S unit. The power indicator LED should illuminate. Then, power on your DVI display devices, followed by your DVI source device.

6. **Verify Display:** Confirm that the video signal from your source is now displayed on all connected monitors.

Note: For optimal performance, use high-quality DVI cables. The maximum supported resolution is 1920x1200 (WUXGA).

6. OPERATING INSTRUCTIONS

The DVS-400S is a plug-and-play device and requires no additional software or drivers. Once connected as described in the Setup section, it will automatically split and distribute the DVI signal.

- **Signal Distribution:** The unit will replicate the input DVI signal to all four output ports simultaneously.

- **Resolution Support:** Supports DVI resolutions up to 1920x1200 (WUXGA) and 1280x1024 (SXGA).

- **Cable Length:** The effective cable length depends on the resolution and cable quality. Refer to DVI specifications for maximum recommended lengths.

7. MAINTENANCE

The DVS-400S requires minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid or aerosol cleaners.

- **Ventilation:** Ensure the unit has adequate ventilation. Do not block any ventilation openings.

- **Storage:** If storing the unit for an extended period, disconnect all cables and store it in a cool, dry place.

8. TROUBLESHOOTING

If you encounter issues with your DVS-400S, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No video output on any display.	Power adapter not connected or faulty. DVI cables loose or faulty. Source device not powered on or outputting signal. Display devices not powered on or set to correct input.	Check power connection to the DVS-400S and outlet. Ensure all DVI cables are securely connected. Try different cables. Verify the source device is on and sending a DVI signal. Check display power and input settings.
Poor video quality or flickering.	Long or low-quality DVI cables. Resolution exceeding unit capabilities.	Use shorter, higher-quality DVI cables. Reduce the resolution of the source device.
Only some displays show video.	Faulty DVI output port on the splitter. Faulty DVI cable to specific display. Faulty display.	Try swapping cables between working and non-working outputs. Test the non-working display with a different source.

9. SPECIFICATIONS
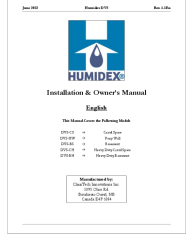
Model	DVS-400S
Input Ports	1 x DVI-I Single Link
Output Ports	4 x DVI-I Single Link
Supported Resolutions	Up to 1920x1200 (WUXGA), 1280x1024 (SXGA)
Power Supply	DC 5V (via included power adapter)
Dimensions (L x W x H)	22.35 x 16.26 x 11.18 cm (approx. 8.8 x 6.4 x 4.4 inches)
Weight	680.39 g (approx. 1.5 lbs)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)

10. WARRANTY AND SUPPORT

Smart-AVI products are designed for reliability and performance. For warranty information and technical support, please refer to the official Smart-AVI website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

For the latest information and support resources, visit:www.smartavi.com

Related Documents - DVS-400S

	[SmartAVI SDX-2P Dual Head DVI-D, USB, RS-232, Audio Extender - Quick Start Guide](#) Quick start guide for the SmartAVI SDX-2P, a dual-head DVI-D, USB, RS-232, and audio extender over Cat5e/6 cables. Learn about technical specifications, features, and hardware installation for extending signals up to 245 feet.
	[SmartAVI LDX Long Range DVI-D and RS-232 Extender Quick Start Guide](#) Quick start guide for the SmartAVI LDX extender, detailing its technical specifications, features, and hardware installation for extending DVI-D and RS-232 signals over Cat5e/6 cable up to 245 feet.
	[SmartAVI HDX-POE HDMI Extender: Technical Specifications and Quick Start Guide](#) Detailed technical specifications, features, and installation guide for the SmartAVI HDX-POE HDMI, IR, and Power Extender over single CAT5/5e/6 cable. Extends HD video up to 250ft from source to display.
	[EyeMax DVR User's Manual Version 5.1.4.0 - Installation and Operation Guide](#) Comprehensive user's manual for the EyeMax DVR system (v5.1.4.0), covering hardware specifications, software installation, system control, playback, and remote monitoring. A detailed guide for users.
	[Humidex DVS Installation and Owner's Manual: Basement Humidity Control](#) This manual provides detailed instructions for installing and operating the Humidex DVS ventilation system, designed to manage basement and crawlspace humidity. It covers setup, operation, maintenance, troubleshooting, specifications, and warranty information.
	[Hollyland Mars 400S PRO Wireless HD Video Transmission System User Manual](#) Comprehensive user manual for the Hollyland Mars 400S PRO, detailing key features, packing list, setup, product interfaces, installation, OLED display, quick guide, and technical specifications for this wireless HD video transmission system.